

Listing of Claims:

Claims 1-4 (Canceled).

5. (Currently Amended) An image printing apparatus of an ink jet printing system, comprising:

~~at least one~~ first and second rotary ~~drum~~ drums adapted to have a printing sheet wound ~~thereon~~ therearound;

5 ~~at least one~~ first and second ink jet ~~printer~~ printing heads which correspond respectively to the first and second rotary drums, and each of which discharges photo-curing ink in order to print an image on the printing sheet wound around ~~a~~ the corresponding ~~said~~ rotary drum; and

10 ~~at least one~~ a first irradiation optical path along which rays ~~having a wavelength at which the photo-curing ink is cured~~ are irradiated to ~~an~~ a first image printing surface of the printing sheet wound around the first rotary drum;

15 a second irradiation optical path along which rays are irradiated to a second image printing surface of the printing sheet wound around the second rotary drum; and

light irradiation means for irradiating the rays along the first and second irradiation optical paths to irradiate the image printing surfaces by optical scanning via a reflecting mechanism;

5 wherein the printing sheet is wound around the first rotary drum with the first image printing surface facing outward, and is then wound around the second rotary drum with the second image printing surface facing outward.

Claim 6 (Canceled).

7. (Currently Amended) An apparatus according to claim 6 5, wherein the reflecting mechanism comprises a polygon reflecting mirror.

8. (Currently Amended) An apparatus according to claim 6 7, wherein the reflecting mechanism comprises a swingable reflecting mirror.

9. (Currently Amended) An apparatus according to claim 6 5, further comprising detection means for detecting a light quantity, and light quantity control means for controlling an irradiation energy amount on the basis of the detected light quantity.

Claim 10 (Canceled).

11. (Currently Amended) An apparatus according to claim ~~10~~ 5,
wherein ~~two rays from two predetermined light sources irradiate~~
the reflecting mechanism comprises a polygon reflecting mirror
which rotates, and the ~~two~~ light irradiation means comprises first
5 and second light sources which emit respective rays that are
reflected by the polygon reflecting mirror ~~irradiate the image~~
~~printing surfaces of the printing sheets via~~ to be irradiated along
the ~~two~~ first and second irradiation optical paths.

12. (Currently Amended) An apparatus according to claim ~~10~~ 5,
wherein ~~two rays from two predetermined light sources irradiate~~
the reflecting mechanism comprises a swingable reflecting mirror
which rotates, and the ~~two~~ light irradiation means comprises first
5 and second light sources which emit respective rays that are
reflected by the reflecting mirror ~~irradiate the image printing~~
~~surfaces of the printing sheets via~~ to be irradiated along the ~~two~~
first and second irradiation optical paths.

Claims 13 (Canceled).

14. (Currently Amended) A printer according to claim ~~2~~ 11,
further comprising detection means for detecting a light quantity,

and light quantity control means for controlling an irradiation energy amount based on ~~the basis of~~ the detected light quantity.

15. (Currently Amended) A printer according to claim 3 12, further comprising detection means for detecting a light quantity, and light quantity control means for controlling an irradiation energy amount based on ~~the basis of~~ the detected light quantity.

16. (Currently Amended) An apparatus according to claim 7, further comprising detection means for detecting a light quantity, and light quantity control means for controlling an irradiation energy amount based on ~~the basis of~~ the detected light quantity.

17. (Currently Amended) An apparatus according to claim 8, further comprising detection means for detecting a light quantity, and light quantity control means for controlling an irradiation energy amount based on ~~the basis of~~ the detected light quantity.

Claims 18 and 19 (Canceled).